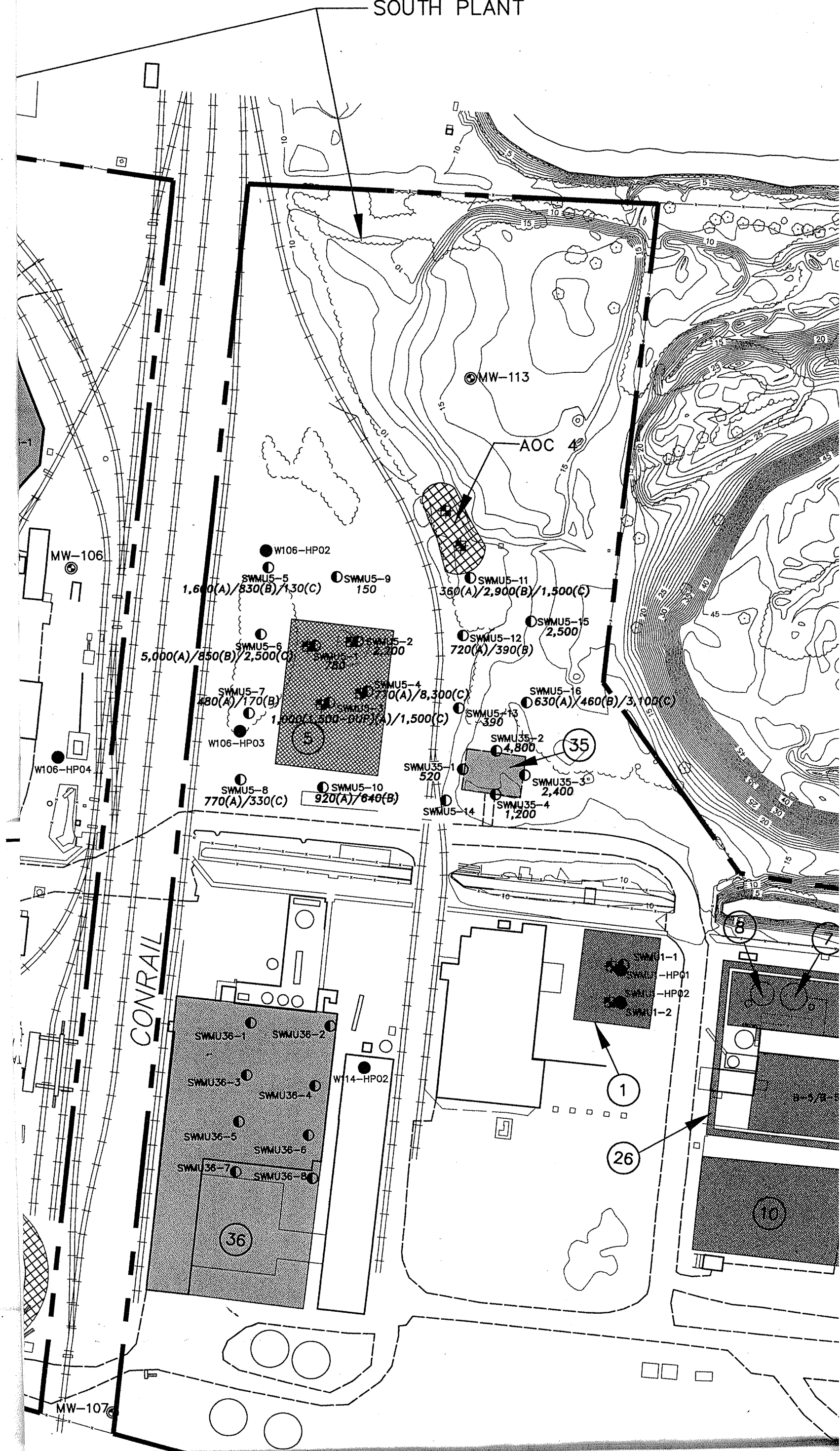
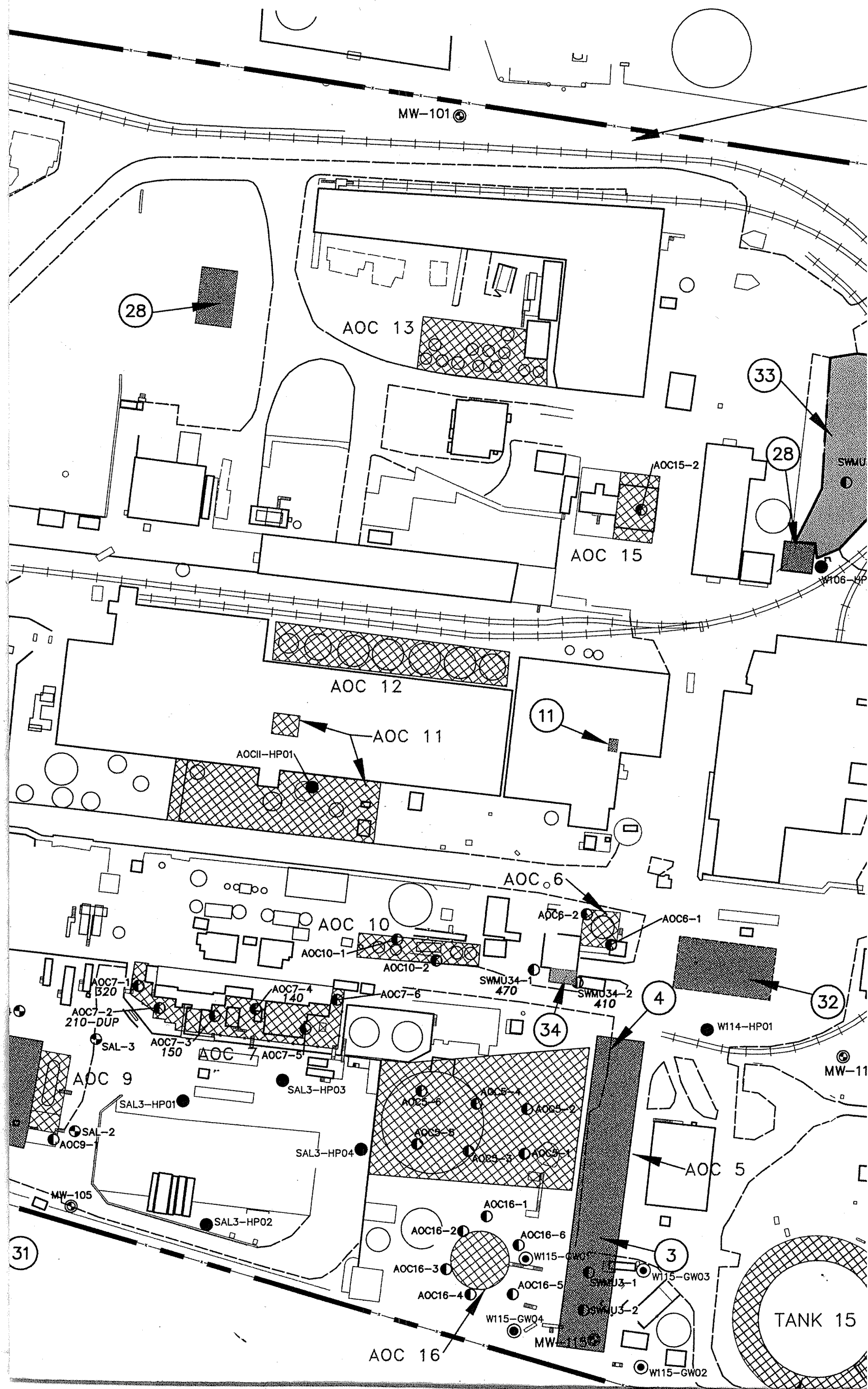




SOUTH PLANT

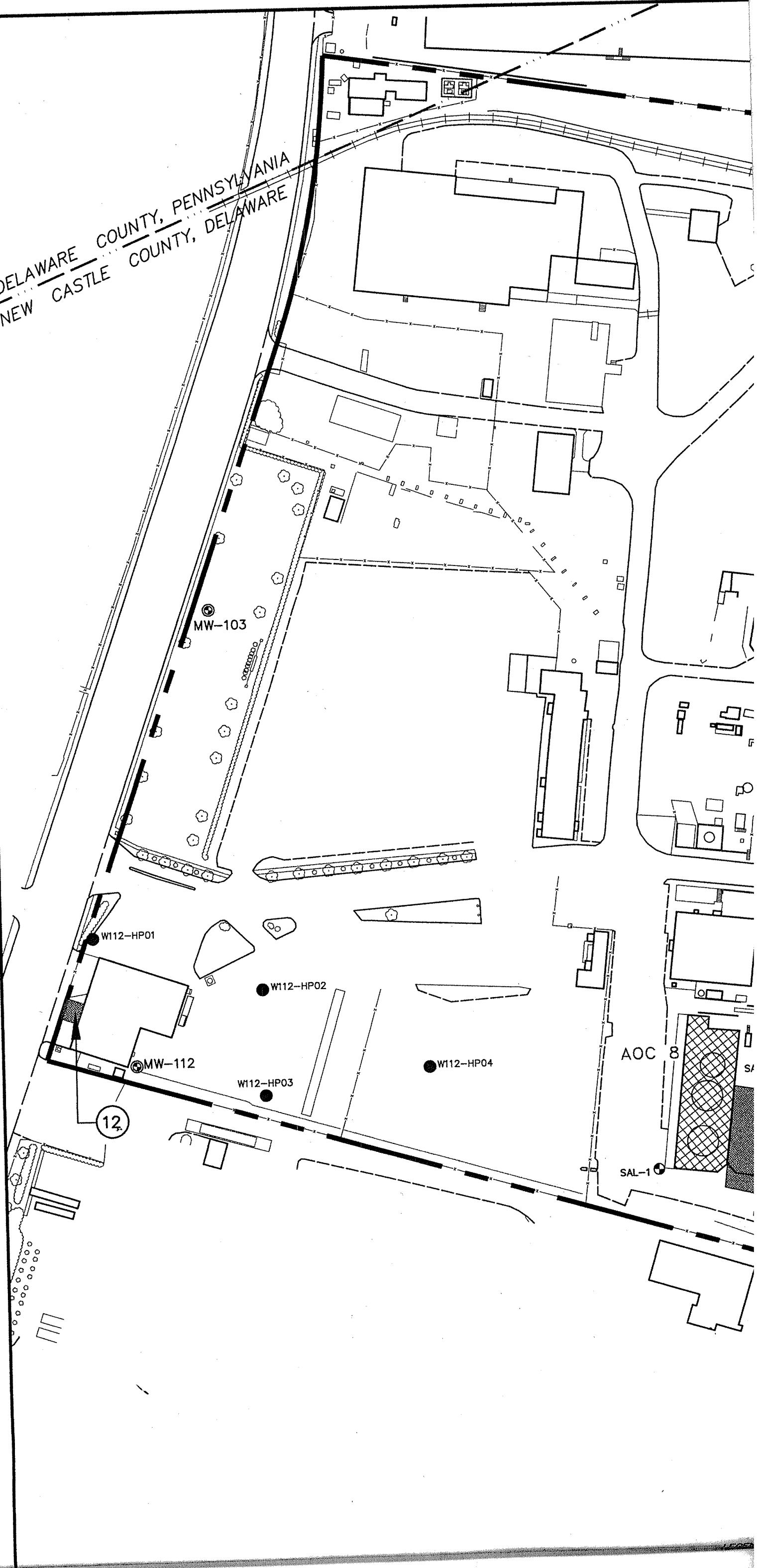


SUN OIL COMPANY










DRAWING
NUMBER 03360E19

DELAWARE COUNTY, PENNSYLVANIA
NEW CASTLE COUNTY, DELAWARE



LEGEND


- MW-101  RFI PHASE I MONITORING WELL INSTALLED IN NOVEMBER AND DECEMBER 2002
- B-3  HISTORICAL GROUNDWATER MONITORING WELL LOCATION
-  RFI PHASE I SOIL SAMPLING LOCATION
-  RFI PHASE II SOIL SAMPLING LOCATION
-  RFI PHASE II PIEZOMETER LOCATION
-  RFI PHASE II HYDROPUNCH LOCATION
- 630(A)/460(B)/3,100(C)  DEPTH INTERVAL IS INDICATED IN PARENTHESES. (A) IS THE SHALLOWEST DEPTH INTERVAL (C) IS THE DEEPEST DEPTH INTERVAL.

----- PROPERTY BOUNDARY

 TOPOGRAPHIC CONTOURS

 RFI PHASE I SOLID WASTE MANAGEMENT UNITS

 RFI PHASE II SOLID WASTE MANAGEMENT UNITS

 RFI PHASE I AREA OF CONCERN (AOC)

 RFI PHASE II AREA OF CONCERN (AOC)

NOTE

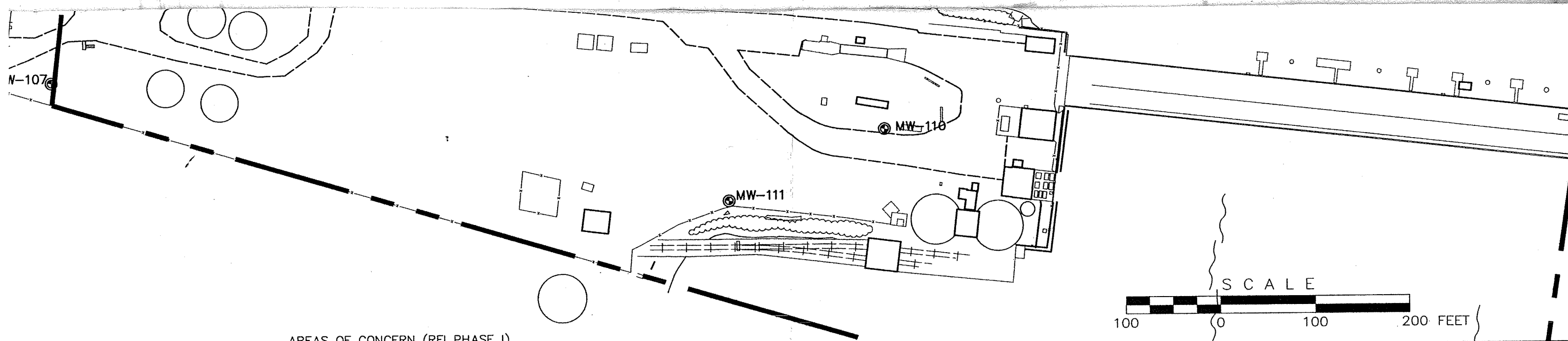
1. FACILITY GRID IS BASED ON DELAWARE STATE PLANE MERIDIAN, NAD 27.
2. SOIL RESULTS ARE IN MICROGRAMS PER KILOGRAM
3. BENZO(a)PYRENE RESULTS WHICH EXCEED THE USEPA REGION III SOIL SCREENING LEVEL FOR GROUNDWATER MIGRATION, DILUTION ATTENUATION FACTOR=20 ($120\mu\text{g}/\text{kg}$) ARE SHOWN. RESULTS SHOWN IN RED ALSO EXCEED THE USEPA REGION III RISK BASED CONCENTRATION FOR INDUSTRIAL SOIL ($390\mu\text{g}/\text{kg}$).
4. RESULTS ARE FROM THE 0-6 INCH DEPTH INTERVAL UNLESS OTHERWISE INDICATED IN PARENTHESES.

ADDITIONAL SOLID WASTE MANAGEMENT UNITS (RFI PHASE II)

33. FORMER SPRAY POND AREA
34. FORMER WASTE OIL STORAGE PAD
35. FORMER HAZARDOUS WASTE STORAGE PAD
36. FORMER ALUM PLANT AREA/DEBRIS STAGING AREA

ADDITIONAL AREAS OF CONCERN (RFI PHASE II)

- AOC 5 - FORMER SULFUR STORAGE TANK SPILL
- AOC 6 - FORMER ABOVEGROUND FUEL STORAGE TANK A
- AOC 7 - FORMER SULFURIC ACID PLANT-UNPAVED AREA
- AOC 8 - FORMER SPENT SULFURIC ACID LOADING/UNLOADING AREA SUMPS
- AOC 9 - FORMER SPENT SULFURIC ACID STORAGE AREA SUMPS
- AOC 10 - FORMER SULFURIC ACID PLANT AREA - ACID AND CAUSTIC STORAGE
- AOC 11 - FORMER CONTACT SULFURIC ACID PLANT AREA A - AST AREA SUMPS
- AOC 12 - FORMER CONTACT SULFURIC ACID PLANT AREA B - AST AREA SUMPS
- AOC 13 - FORMER PHOTOSALTS PLANT STORAGE TANK AREA SUMPS
- AOC 14 - FORMER SULFURIC ACID STORAGE TANK AREA SUMP
- AOC 15 - FORMER ACID LOADING/UNLOADING AREA SUMPS
- AOC 16 - FORMER ABOVEGROUND FUEL OIL STORAGE TANK C



AREAS OF CONCERN (RFI PHASE I)

AOC 1 - TANK 15 SPILL AREA
AOC 2 - ACID SPILL AREA
AOC 4 - CONRAIL FUEL SPILL AREA

SOLID WASTE MANAGEMENT UNITS (RFI PHASE I)

- | | |
|--|--------------------------------------|
| 1. NORTH PHOSPHORIC ACID POND | 26. SOUTH WASTE TREATMENT PLANT |
| 2. SOUTH PHOSPHORIC ACID POND | 28. HYPO MUDS ACCUMULATION (2 AREAS) |
| 3. RED MUD SLURRY POND A | 31. FORMER SPENT ACID LAGOON |
| 4. RED MUD SLURRY POND B | 32. FORMER UST AREA |
| 5. SPAR BUILDING STORAGE AREA | |
| 6. SOUTH TREATMENT PLANT, DRUM STORAGE | |
| 7. EFFLUENT CLARIFIER | |
| 8. EFFLUENT CLARIFIER | |
| 10. SOUTH WASTE TREATMENT STORAGE PAD | |
| 11. WASTE OIL AST | |
| 12. WASTE OIL UST | |

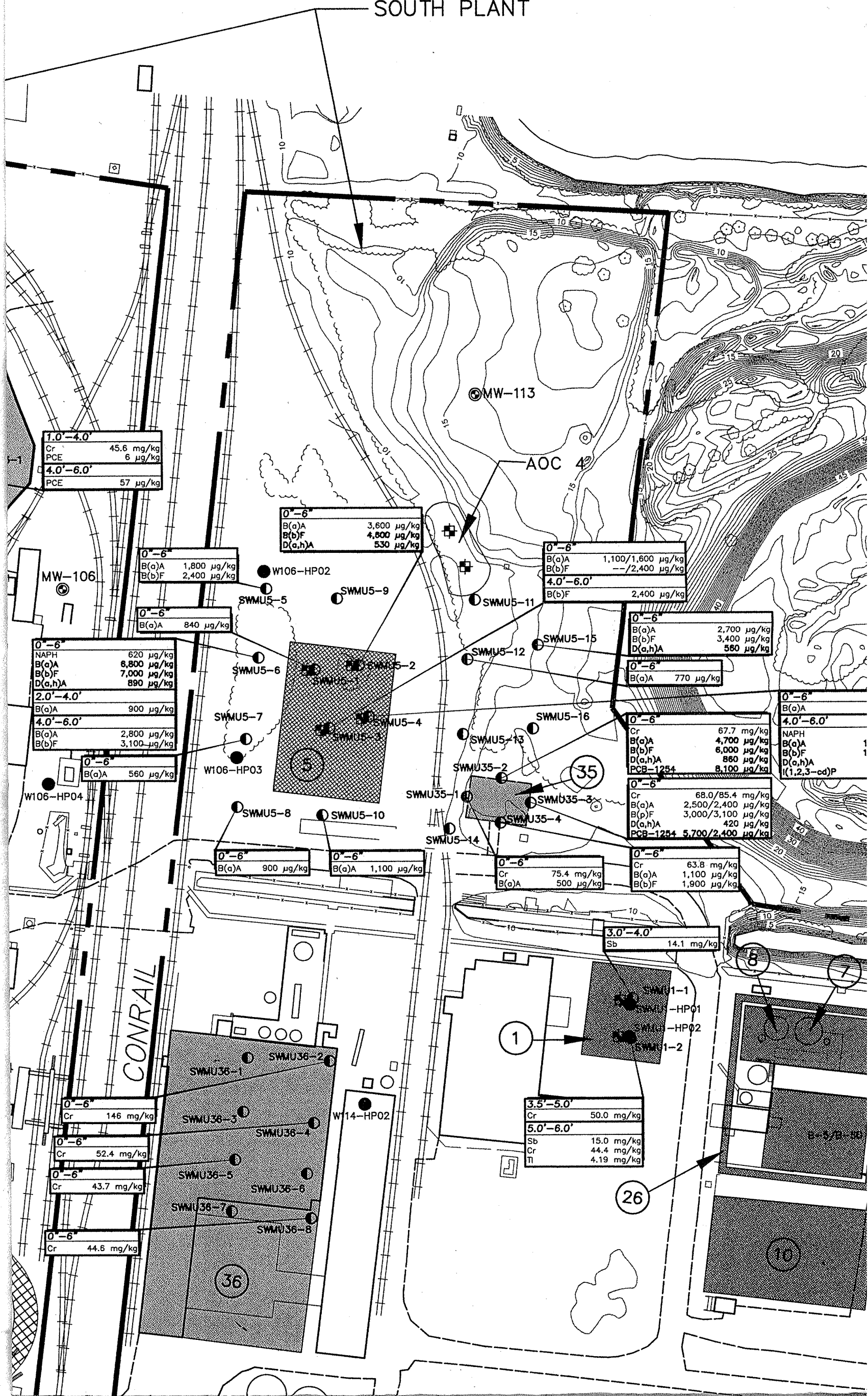
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

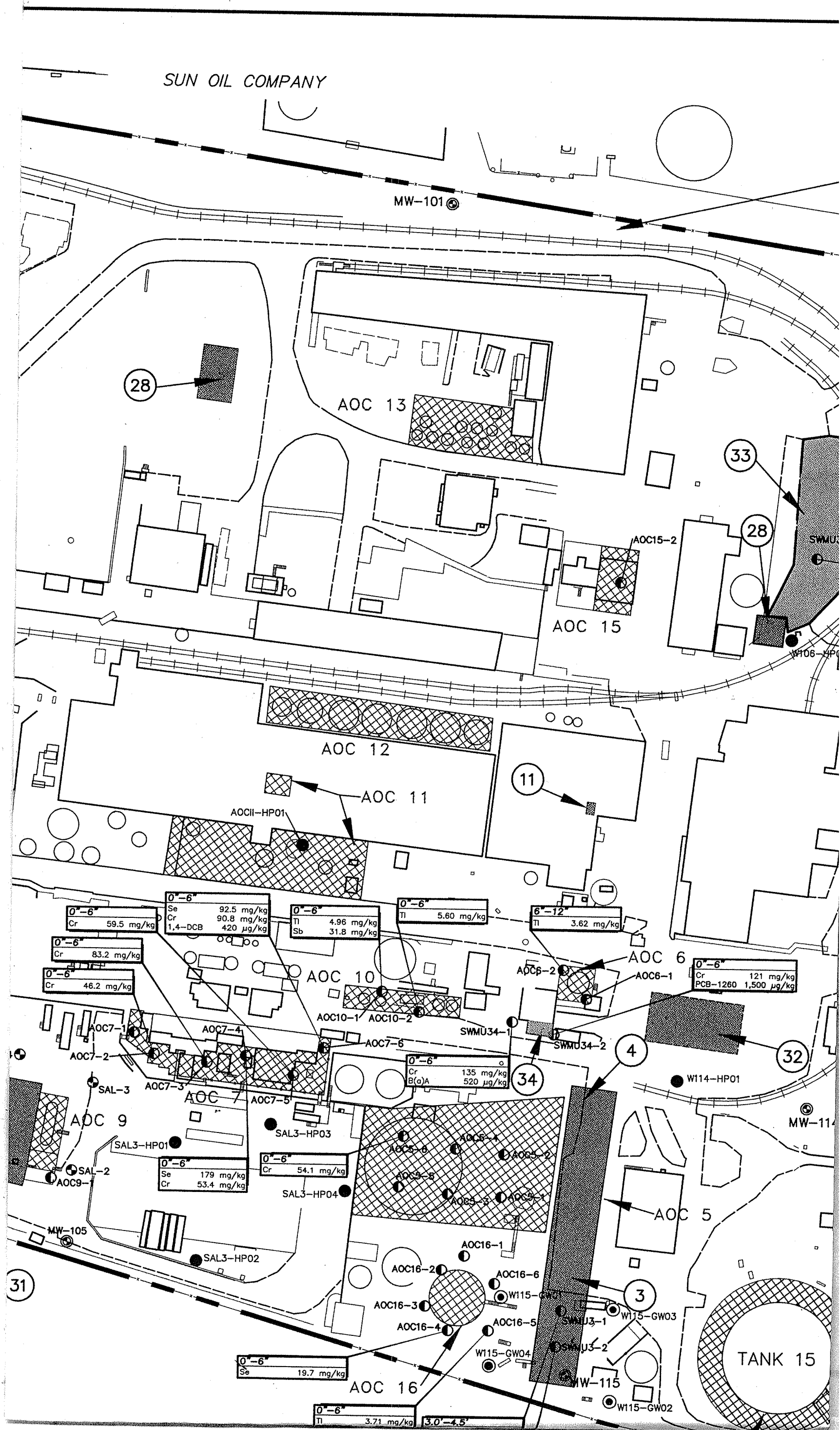
CUMMINGS RITER CONSULTANTS, INC. CORPORATE HEADQUARTERS 10 Duff Road Duff Office Center, Suite 500 Pittsburgh, PA 15235 (412) 241-4500 Fax: (412) 241-7500		FIGURE 2-6 RFI PHASE II BENZO(a)PYRENE EXCEEDANCES IN SOIL DELAWARE VALLEY WORKS (SOUTH PLANT) CLAYMONT, DELAWARE			
		PREPARED FOR GENTEK, INC. PARSIPPANY, NEW JERSEY			
		SIZE E	SCALE: 1" = 100'	REV. —	DRAWING NUMBER 03360E19
		DRAWN BY: <i>T.N. Fitzroy</i> DATE: <i>4-17-07</i> CHECKED BY: <i>M.J. Valentine</i> DATE: <i>6-15-07</i> APPROVED BY: <i>R.C. Hendricks</i> DATE: <i>6-15-07</i>			



SOUTH PLANT

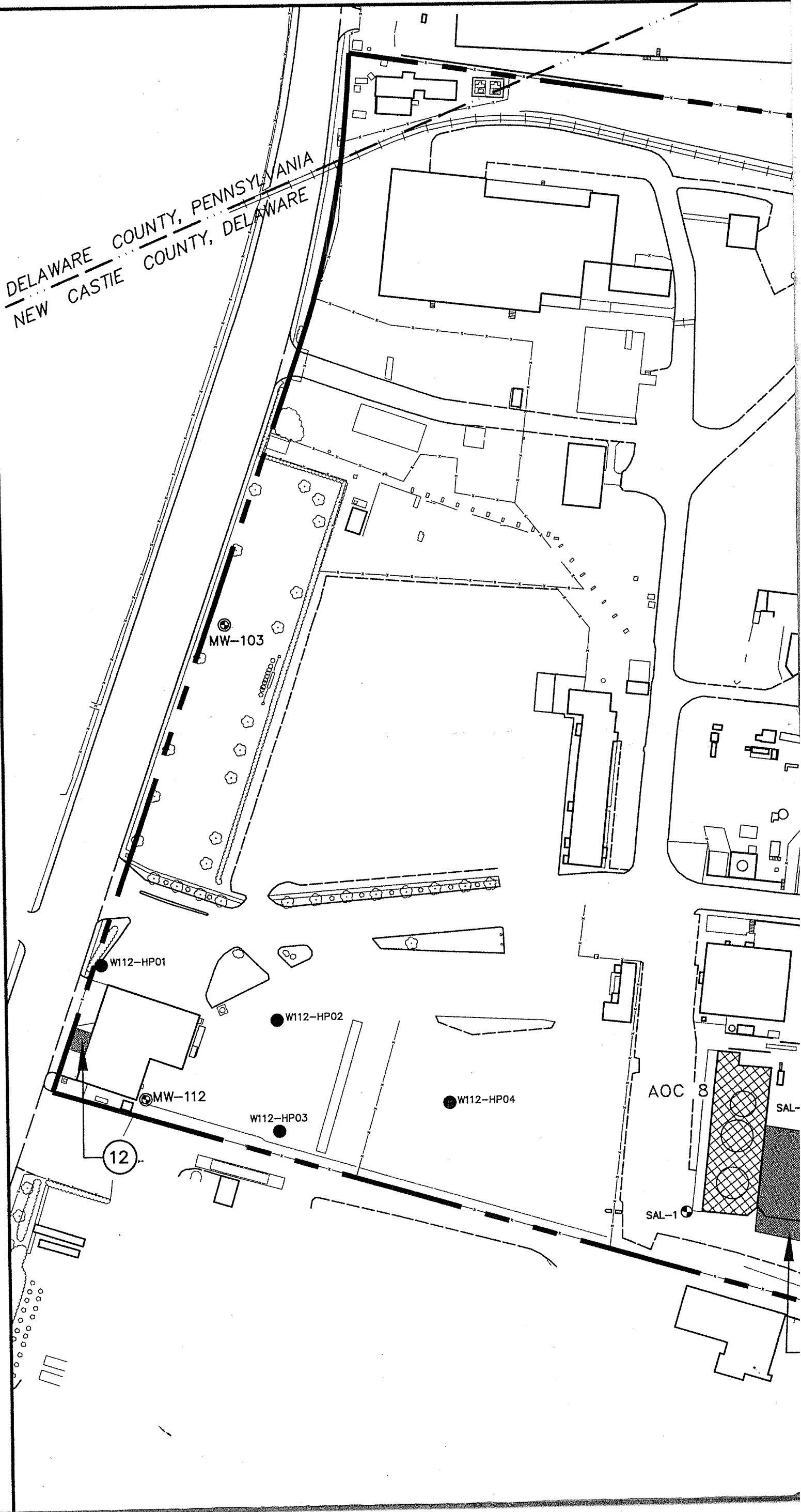


SUN OIL COMPANY



DRAWING
NUMBER 03360E21

DELAWARE COUNTY, PENNSYLVANIA
NEW CASTLE COUNTY, DELAWARE




5.0'-6.5'	
Se	295 mg/kg
Cr	77.9 mg/kg

Se	309 mg/kg
Cr	89.1 mg/kg
5.0'-6.5'	
Se	312 mg/kg
Cr	76.9 mg/kg


AOC 1

LEGEND

MW-101  RFI PHASE I MONITORING WELL INSTALLED IN NOVEMBER AND DECEMBER 2002

B-3  HISTORICAL GROUNDWATER MONITORING WELL LOCATION

 RFI PHASE I SOIL SAMPLING LOCATION

 RFI PHASE II SOIL SAMPLING LOCATION

 RFI PHASE II PIEZOMETER LOCATION

 RFI PHASE II HYDROPUNCH LOCATION

--/7.24 mg/kg
 DPLICATE SAMPLE RESULT IS INDICATED AFTER THE SLASH. "--" INDICATES ORIGINAL SAMPLE RESULT WAS NOT AN EXCEEDANCE.

----- PROPERTY BOUNDARY

15
 TOPOGRAPHIC CONTOURS

 RFI PHASE I SOLID WASTE MANAGEMENT UNITS

 RFI PHASE II SOLID WASTE MANAGEMENT UNITS

 RFI PHASE I AREA OF CONCERN (AOC)

 RFI PHASE II AREA OF CONCERN (AOC)

NOTE

1. FACILITY GRID IS BASED ON DELAWARE STATE PLANE MERIDIAN, NAD 27.
2. RESULTS SHOWN IN BLACK EXCEED THE CORRESPONDING USEPA REGION III SOIL SCREENING LEVEL (SSL) FOR GROUNDWATER MIGRATION, DILUTION ATTENUATION FACTOR=20. RESULTS SHOWN IN BROWN EXCEED THE CORRESPONDING USEPA REGION III RISK-BASED CONCENTRATION (RBC) FOR INDUSTRIAL SOIL. RESULTS SHOWN IN RED EXCEED BOTH THE CORRESPONDING SSL AND RBC.

3. ABBREVIATIONS:

Sb = ANTIMONY
 Cr = CHROMIUM
 Se = SELENIUM
 Tl = THALLIUM
 PCE = TETRACHLOROETHENE
 B(a)A = BENZO(a)ANTHRACENE
 B(b)F = BENZO(b)FLUORANTHENE
 D(a,h)A = DIBENZ(a,h)ANTHRACENE
 I(1,2,3,-cd)P = INDENO(1,2,3,-cd)PYRENE
 1,4-DCB = 1,4-DICHLOROBENZENE
 NAPH = NAPHTHALENE

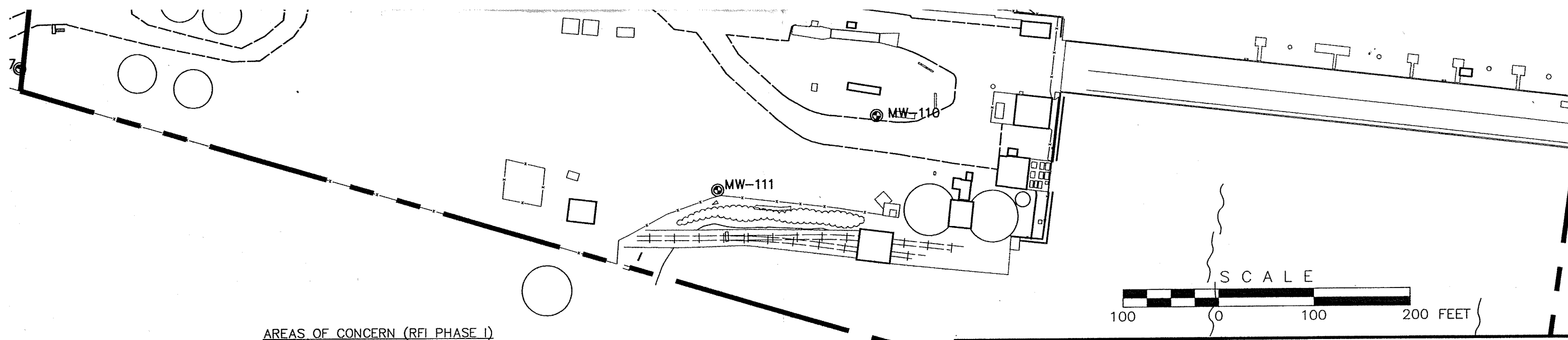
REFERENCE: EARTH SCIENCES CONSULTANTS, INC.
 DRAWING NO. 5455415.

ADDITIONAL SOLID WASTE MANAGEMENT UNITS (RFI PHASE II)

33. FORMER SPRAY POND AREA
34. FORMER WASTE OIL STORAGE PAD
35. FORMER HAZARDOUS WASTE STORAGE PAD
36. FORMER ALUM PLANT AREA/DEBRIS STAGING AREA

ADDITIONAL AREAS OF CONCERN (RFI PHASE II)

- AOC 5 - FORMER SULFUR STORAGE TANK SPILL
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 AOC 15 - FORMER ACID LOADING/UNLOADING AREA SUMPS
 AOC 16 - FORMER ABOVEGROUND FUEL OIL STORAGE TANK C



AREAS OF CONCERN (RFI PHASE I)

- AOC 1 - TANK 15 SPILL AREA
AOC 2 - ACID SPILL AREA
AOC 4 - CONRAIL FUEL SPILL AREA

SOLID WASTE MANAGEMENT UNITS (RFI PHASE I)

- | | |
|--|--------------------------------------|
| 1. NORTH PHOSPHORIC ACID POND | 26. SOUTH WASTE TREATMENT PLANT |
| 2. SOUTH PHOSPHORIC ACID POND | 28. HYPO MUDS ACCUMULATION (2 AREAS) |
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| 7. EFFLUENT CLARIFIER | |
| 8. EFFLUENT CLARIFIER | |
| 10. SOUTH WASTE TREATMENT STORAGE PAD | |
| 11. WASTE OIL AST | |
| 12. WASTE OIL UST | |

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

CUMMINGS RITER CONSULTANTS, INC. CORPORATE HEADQUARTERS 10 Duff Road Duff Office Center, Suite 500 Pittsburgh, PA 15235 (412) 241-4500 Fax: (412) 241-7500	FIGURE 2-7		
	RFI PHASE II EXCEEDANCES IN SOIL ADDITIONAL PARAMETERS		
	DELAWARE VALLEY WORKS (SOUTH PLANT) CLAYMONT, DELAWARE		
	PREPARED FOR GENTEK, INC. PARSIPPANY, NEW JERSEY		
SIZE E	SCALE: 1" = 100'	REV. -	DRAWING NUMBER 03360E21
DRAWN BY: <i>T.N. Fitzroy</i>		DATE: <i>4-17-07</i>	
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APPROVED BY: <i>R.C. Hendricks</i>		DATE: <i>6-15-07</i>	